

Price of Level 3 Distribution Box for Explosion-Proof Locations



AI Overview

The price of a Level 3 explosion-proof distribution box typically ranges from \$1,000 to \$5,000 or more, depending on size, material, number of circuits, and customization options.

Overview A Level 3 explosion-proof distribution box is designed for hazardous environments such as petroleum, chemical, natural gas, and pharmaceutical industries. These boxes are built to contain internal explosions and prevent ignition of surrounding flammable gases, vapors, or dust, complying with standards like GB3836.2-2000, ATEX, IECEx, or UL 1203 depending on the region. They are typically constructed from aluminum alloy, carbon steel, or stainless steel, with protection ratings ranging from IP54 to IP66, and can include features like multi-pole circuit breakers, ground leakage protection, thermostatic control, and optional alarm devices.

Factors Affecting Price

- Material and Construction:** Aluminum alloy boxes are generally less expensive than stainless steel or reinforced carbon steel enclosures.
- Number of Circuits:** Configurations can range from 1 to 12 circuits, with more circuits increasing cost due to additional breakers and wiring.
- Input Voltage and Phase:** Single-phase or three-phase input options may affect pricing, especially for higher voltage industrial applications.
- Certifications:** Boxes certified for multiple standards (UL, ATEX, IECEx, CCC) or higher temperature classes (T1-T6) are more expensive.
- Customization:** Non-standard dimensions, internal layout, special IP ratings, or additional functional requirements (alarms, digital thermostats) can significantly increase the price.
- Size and Mounting:** Wall-mounted versus floor-standing, and compact versus large enclosures, also influence cost.

Estimated Price Range

- Compact, standard enclosures: \$1,000–\$2,000
- Medium-sized, multi-circuit, standard material: \$2,000–\$3,500
- Large, fully customized, high-spec Level 3 boxes: \$3,500–\$5,000+ F...

Article Content

Full Guide on Explosion-Proof Distribution Panel

In conclusion, explosion-proof distribution panels are a critical safety feature in hazardous industrial environments, providing reliable protection against potential explosions. By choosing the right panel,

Explosion proof Distribution Boxes HLDP03-M Malaysia

Explosion proof Distribution Boxes HLDP03-M Malaysia Zone 1 and Zone 2 Zone 21 and Zone 22 Meet the necessities in the following industries, such as petroleum, chemical, electricity, medicine, textile,

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How Much Is the Explosion-Proof Distribution Box per Unit

The price of an explosion-proof distribution box is determined by factors like size, explosion-proof level, brand of internal components, and the material of the box. To get an accurate

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Explosion Proof Enclosures

Ex-Proof & Flameproof Junction Boxes & Enclosures Supermec ATEX Junction Box & Enclosures are designed to satisfy most of our clients" requirements for CONTROL explosion-proof and flameproof

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.estlascleaning.co.za>

Email: info@estlascleaning.co.za

Phone: +27 63 214 8579

Address: 22 Oxford Road, Parktown, Johannesburg, 2193, South Africa

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